

1      What is claimed is:

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3            1.      A dryer comprising:

4                    a cabinet;

5                    a drum;

6                    a heater;

7                    a converting switch; and

8                    a centrifugal switch comprising:

9                            a body connected to a shaft of the motor to have loading recesses at

10                            an outside;

11                            a pair of balance weights having supports wherein one ends of the  
12                            supports are inserted in the loading recesses, respectively, a pair of the  
13                            balance weights revolving centering on the inserted one ends to be  
14                            folded/unfolded;

15                            a plate provided to rear ends of the balance weights; and

16                            a return spring having both ends hooked on hanging portions of the  
17                            balance weights to be fixed thereto.

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19            2.      The dryer as claimed in claim 1, wherein the loading recesses are rounded  
20                            and one ends of the supports inserted in the loading recesses are rounded.

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22            3.      The dryer as claimed in claim 1, further comprising a lever at a rear side of  
23                            the plate to be connected to the converting switch.

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25           4.       The dryer as claimed in claim 1, wherein the balance weights are unfolded to  
26       press the plate when the motor rotates over a predetermined rotational speed.

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28           5.       The dryer as claimed in claim 1, wherein the return spring has a  
29       predetermined elasticity folding the balance weights not to be brought contact with the plate  
30       when the motor rotates below a predetermined rotational speed.

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32           6.       The dryer as claimed in claim 1, further comprising a connector at a front end  
33       of the body to fix the body to the shaft of the motor.

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35           7.       A centrifugal switch of a motor, comprising:

36                   a body connected to a shaft of a motor to have loading recesses at an  
37       outside;

38                   a pair of balance weights having supports wherein one ends of the  
39       supports are inserted in the loading recesses, respectively, a pair of the  
40       balance weights revolving centering on the inserted one ends to be  
41       folded/unfolded;

42                   a plate provided to rear ends of the balance weights; and

43                   a return spring having both ends hooked on hanging portions of the  
44       balance weights to be fixed thereto.

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46           8.       The centrifugal switch as claimed in claim 7, wherein the loading recesses  
47       are rounded and one ends of the supports inserted in the loading recesses are rounded.

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49           9.       The centrifugal switch as claimed in claim 7, further comprising a lever at a  
50            rear side of the plate to be connected to the converting switch.

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52           10.      The centrifugal switch as claimed in claim 7, wherein the balance weights are  
53            unfolded to press the plate when the motor rotates over a predetermined rotational speed.

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55           11.      The centrifugal switch as claimed in claim 7, wherein the return spring has a  
56            predetermined elasticity folding the balance weights not to be brought contact with the plate  
57            when the motor rotates below a predetermined rotational speed.

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59           12.      The centrifugal switch as claimed in claim 7, further comprising a connector  
60            at a front end of the body to fix the body to the shaft of the motor.